



Office of General Services

DESIGN & CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 2 TO PROJECT NO. 45220

CONSTRUCTION AND ELECTRICAL WORK REPAIR PERIMETER WALL GREAT MEADOW CORRECTIONAL FACILITY 11739 STATE ROUTE 22 COMSTOCK, NY

May 5, 2023

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

CONSTRUCTION WORK SPECIFICATIONS

1. SECTION 071900 WATER REPELLENT COATING: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 071900-1 thru 071900-5) noted "REVISED 4/28/2023".

END OF ADDENDUM

Brady Sherlock, P.E.
Director, Division of Design
Design & Construction

SECTION 071900

WATER REPELLENT COATING

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Concrete Rehabilitation: Section 030131.

1.02 UNIT PRICE WORK

- A. Payment for the Work listed in the Unit Price Schedule will be made at the unit price indicated multiplied by the units of completed Work.
- B. The unit prices listed below shall include all Work specified in the Division 1 General Requirements Sections.
- C. Unit Price Limit and Definitions for Measurement and Payment Items listed in Unit Price Schedule:
 - 1. Item No. 071900.01- Recoat Existing Concrete Wall: Payment for this Work will be made in the Contract unit price per square foot in place. The unit price generally includes the following:
 - a. Access to all placement locations and review with the Director's Representative.
 - b. Provide protection to utilities and systems within the work areas.
 - c. Provided temporary lighting, water, ventilation, dust containment and other temporary facilities as required to perform the work. (General access, material hoists, etc., and protection should be included in this item.)
 - d. Clean existing wall per coating manufacturer's specifications.
 - e. Provide elastomeric coating per project specifications, design documents, and manufacturer's recommendation.
 - f. Notify the Director's Representative for final review.
 - g. Clean up all waste and dispose off-site.
 - h. Remove all equipment, temporary facilities, and protection installed under this work items.
 - 2. Item No. 071900.02- Recoat Existing Precast Wall: Payment for this Work will be made in the Contract unit price per square foot in place. The unit price generally includes the following:
 - a. Access to all placement locations and review with the Director's Representative.
 - b. Provide protection to utilities and systems within the work areas.
 - c. Provided temporary lighting, water, ventilation, dust containment and other temporary facilities as required to perform the work. (General access, material hoists, etc., and protection should be included in this item.)
 - d. Clean existing wall per coating manufacturer's specifications.
 - e. Provide elastomeric coating per project specifications, design documents, and manufacturer's recommendation.

- f. Notify the Director's Representative for final review.
- g. Clean up all waste and dispose off-site.
- h. Remove all equipment, temporary facilities, and protection installed under this work items.

1.03 SUBMITTALS

- A. Product Data: Catalog sheets, specifications, and application instructions for each material specified.
- B. Quality Control Submittals:
 - 1. Test Reports: If requested by the Director, furnish certified test data issued by an independent testing laboratory, demonstrating that the products submitted comply with the required physical properties.
 - 2. Installers Qualifications Data:
 - a. Submit the names and addresses of 5 previous elastomeric acrylic coating projects. Include the type and size of each project.
 - b. Submit a letter certifying that the supervisor or foreman and the workers applying the coating materials have at least 2 years experience in the application of elastomeric acrylic coating materials.

1.04 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Manufacturer's Qualifications: The manufacturer shall have qualified technical representatives with the technical expertise to advise the Contractor of application procedures required for coating materials under the particular job conditions.
 - 2. Applicator's Qualifications: The person supervising the Work of this Section and the workers applying the elastomeric acrylic coating shall have had 2 years of experience in the application of elastomeric acrylic coating coatings and in addition shall have worked on 5 elastomeric acrylic coating projects of comparable scope and complexity to the work of this project.
- B. Field Examples:
 - 1. On actual surfaces designated by the Director's Representative, apply a sample application of the elastomeric acrylic coating. Apply coating on at least 25 sq ft of surface.
 - 2. Sample application accepted by the Director's Representative will be used as the standard of comparison for the Work.
- C. Warranty
 - 1. Warranty Extension: The one year period required by Paragraph 9.8 of the General Conditions is extended to 2 years for the Work of this Section. Refer to Supplementary Conditions.
 - 2. Manufacturer's Warranty: In addition to the 2 year period specified above, furnish the coating manufacturer's printed 1 year warranty covering materials for the Work of this Section.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Storage and Protection:
1. Comply with the manufacturer's printed instructions for material storage requirements.
 2. Protect all adjacent surfaces, grade and water from contamination during all phases of work.

1.06 PROJECT CONDITIONS

- A. Do not execute the Work of this Section until required restoration of substrate has been completed.
- B. Environmental Requirements:
1. Do not apply materials to surfaces that contain free water or frost.
 2. Do not apply materials when temperature is below 40 degrees F or will fall below 40 degrees within 24 hours.

PART 2 PRODUCTS**2.01 MATERIALS**

- A. Elastomeric acrylic coating: Water based, 100% Acrylic, VOC compliant, breathable elastomeric coating, "Sikagard 550W Elastocolor." by Sika Corporation; "Enviro-Crete Series 156" by Tnemec Co., Inc.; or "Conpro Lastic" by Conproco Corp. or other product equal in composition performance and having the following physical properties:

PROPERTY	RESULTS	TEST METHODS
Solids Content % :	By Weight: 62 min. By Volume: 50 min.	
Elongation at Break %	>800 % min.	ASTM D 412
Tensile Strength	190 min.	ASTM D 412
Cold Temperature Flexibility 1/8" (3.2 mm) mandrel at 0°F (-18°C)	Passes	ASTM C 711
Wind-Driven Rain (98 mph)	Passes	TT-C-555B
Crack Bridging (at 16 mils = 400 microns DFT) Static (at -4°F/-20°C)	30 mils min.	

Dynamic > 1000 cycles (at -4 deg. F, -20 deg. C)	12 mils min.	
Moisture Vapor Permeability	14.5 Perms min.	Moisture Vapor Permeability (ASTM E-96)
Artificial Weathering Xenon Arc, 4,000 hrs.	No chalking or cracking. Color change: ____ < 4.0	ASTM D 3274 ASTM D 3273

- B. Color: to match existing.
- C. Cleaning Agents: Products recommended by the coating manufacturer for the particular conditions.

PART 3 EXECUTION

3.01 PREPARATION

- A. Protection: Protect adjacent surfaces, grade and water from contamination during all phases of work.
- B. Concrete patch areas must be cured for 28 days before applying coating.
- C. Surface Preparation:
 - 1. Remove all debris, dirt, dust, and other substances that are detrimental to the application of the elastomeric acrylic coating.
 - 2. Remove existing paints and coatings. Use cleaning agents and methods recommended by the coating manufacturer.
 - 3. Clean, wash, prime existing substrate prior to coating following coating manufacturer's recommendations.
 - 4. Treat all joints and cracks in existing substrate per manufacturer's recommendations prior to coating.

3.02 APPLICATION

- A. Plan the Work with enough workers and scaffolding so breaks in the coating application are at natural stopping points recommended by the coating manufacturer and approved by the Director's Representative.
- B. Immediately before application, dampen dry surfaces with clean water.
- C. Apply elastomeric coating in two (2) coats, strictly adhering to all of the coating manufacturer's recommendations.
- D. Apply minimum total coating thickness of 16 dry mils, or thicker coating thickness as recommended by coating manufacturer to achieve specified performance criteria.

3.03 CLEANING

- A. Clean adjacent surfaces that have been soiled or defaced by the execution of this Work.
- B. Remove protective covers.

END OF SECTION